TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.		JOB ORDER NUMBER	APPROP. FY
	NAS5-	TASK NO. AMENDMENT		
QSS Group, Inc.	99124	268	415-616-41-29-89	00

TASK TITLE: (NTE 80 characters; include Project name)

GOES Project Systems Engineering Services -- GOES-N-Q

APPROVALS (Type or print name and sign)

	DATE	ORG CODE	MAIL CODE	PHONE
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) David Mitchell David J. Mitchell	4/13/00	415	415	301-286-0415
BRANCH HEAD for Martin A. Davis R Meeks	4/13/00	CODE 415		PHONE 301-286-8998
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) for Robert S. Lebair, Jr. Deborah A. Clark	4/19/00	CODE 560		PHONE 301-286-6588

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? *(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)*	CONTRACTING OFFICER'S QUALITY REP.	DESIGNATED FAM:
[X] NO [ ] YES	Larry Moore	

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date:

Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [ ] NO [ ] YES [X] N/A

Government Furnished Property/Facilities: [ ] NO [X] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [ ] NO [X] YES If yes: [ ] TOTAL [ ] PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: [X] NO [ ] YES

Highlighted Contract Clauses: *(to be completed by Contracting Officer)*

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	_X_ No. 1	__ No. 2	__ No. 3	__ No. 4	__ No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is $_____.
The target fee of this task order is $_____.
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is $_____.

The maximum fee is $_____.
The minimum fee is $0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

SIGNATURE OF CONTRACTING OFFICER | DATE | TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE | DATE

GSFC FORM 703-1845 12/98 (OLDER VERSIONS ARE OBSOLETE)

DISTRIBUTION: CONTRACTOR, CONTRACTING OFFICER, COTR, CODE 303, RESOURCES ANALYST, ASSISTANT TECHNICAL REPRESENTATIVE

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Applicable paragraphs from contract Statement of Work: Function 2b

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

(This is a follow-on to Task 84 under this contract; uninterrupted transition is required.)

The contractor shall provide system engineering evaluations and assessments of the GOES-N-Q spacecraft and instruments for compliance to the Performance Specifications, Statements of Work, and Interface Control Documents. Other activities will be an assessment of the spacecraft integration and mission operations plans. This work is required to ensure the successful design, build, test, launch and operation of the GOES-N-Q satellites. In addition, the contractor shall supply onsite personnel to ensure the smooth flow and engineering checkout of the satellite.

a. Provide engineering capabilities to ensure proper design review of mechanical and electro-mechanical devices on GOES N-Q satellites. This work shall be accomplished during the design, development, fabrication, testing and launch activities of the GOES N-Q satellite.

b. Assess design reviews, evaluate testing and integration activities, evaluate system performance, physically participate in required launch activities, and participate in all phases of operation planning for subsystems and insruments.

c. Provide systems engineering analysis for the design and development of the GOES N-Q Radio Frequency (RF) communications subsystem and related efforts required to successfully complete GOES integration and test activities.

d. Provide systems engineering analysis for the design and development of the GOES N-Q Telemetry and Command (T&C) subsystem and related efforts required to successfully complete these integration and test activities.

e. Provide Imager/Sounder test and integration engineering assessment to insure reliable development and testing at vendor facilities. Coordinate GSFC support services when required, and manage, with Code 415 personnel, the integration of each instrument on the spacecraft.

f. Provide engineering and analysis services to the GOES Project to evaluate the design, development and test of the GOES N-Q SXI instrument.

g. Coordinate software ACE modeling for engineering and simulations purposes - in coordination with the MOST team.

/Continued

PERFORMANCE SPECIFICATIONS:
Review and all non-conformance reports and assess problems, issues and impacts of non-conformance, recommend actions.
Weekly reports shall contain a summary of activities completed, planned activities for the following week, problems, issues and recommended actions

APPLICABLE DOCUMENTS:
None.

TASK END DATE: 9/30/00

MILESTONES/DELIVERABLES AND DATES:

1. Non-conformance review and analysis	Within 3 days of assignment by ATR
2. Weekly assessment reports	Email by COB each Friday to the ATR: David.F.Mitchell.1@gsfc.nasa.gov

PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of the above
Technical: ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):
David Mitchell, building 6, room W223

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STATEMENT OF WORK: (Continued)

h. Provide system engineering services to maintain and update the database for the GOES Incident Reports (GIRs). Coordinate this work with the SOCC, NOAA, NASA and the N-Q prime contractor.

i. Provide analysis of the SXI instrument performance test activity at the SXI contractor's facilities and evaluate SXI electrical and mechanical interfaces with the spacecraft. Provide EMI/EMC evaluation at the SXI facilities as required.

j. Conduct technical studies and analyses of spacecraft subsystems to determine the best systems configuration to accomplish mission objectives.

k. Identify critical and potential problem areas and prepare plans for their resolution.

l. Provide services in support of test planning, test performance, and test data analysis to ensure the function and reliability of the flight and ground systems, and the attainment of payload performance objectives.

Travel to flight hardware vendors at least one week per month is anticipated.